

Title (en)
FLUIDIZED-BED REACTOR.

Title (de)
WIRBELSCHICHTREAKTOR.

Title (fr)
REACTEUR A LIT FLUIDISE.

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Application
EP 95903367 A 19941216

Priority
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Abstract (en)
[origin: US5627243A] The invention relates to a fluidized-bed reactor for polymerization of olefins, said reactor comprising an upper section of the reactor acting as a polymerization space in which olefin monomers are polymerized in a fluidized bed formed by polymerizing particles and a lower section of the reactor acting as a mixing space through which circulating gas removed from the top of the polymerization space is passed to the fluidized bed contained in the lower part of the polymerization space through a horizontal gas distributor plate in order to maintain the fluidized state of the bed, in which arrangement the circulating gas is passed to the lower section of the reactor via one or more inlet nozzles and the bottom section of the reactor is additionally provided with means for directing the circulating gas. At least part of said means for directing the circulating gas flow is comprised of flow control elements formed by plate-like surfaces perforated with a number of holes and located so that a major part of the gas flow is directed sideways below said means and a minor part of the gas flow is directed upwards to pass through said holes in said means.

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B01J 8/44; **C08F 2/34**

IPC 8 full level
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C-Set (source: EP US)
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